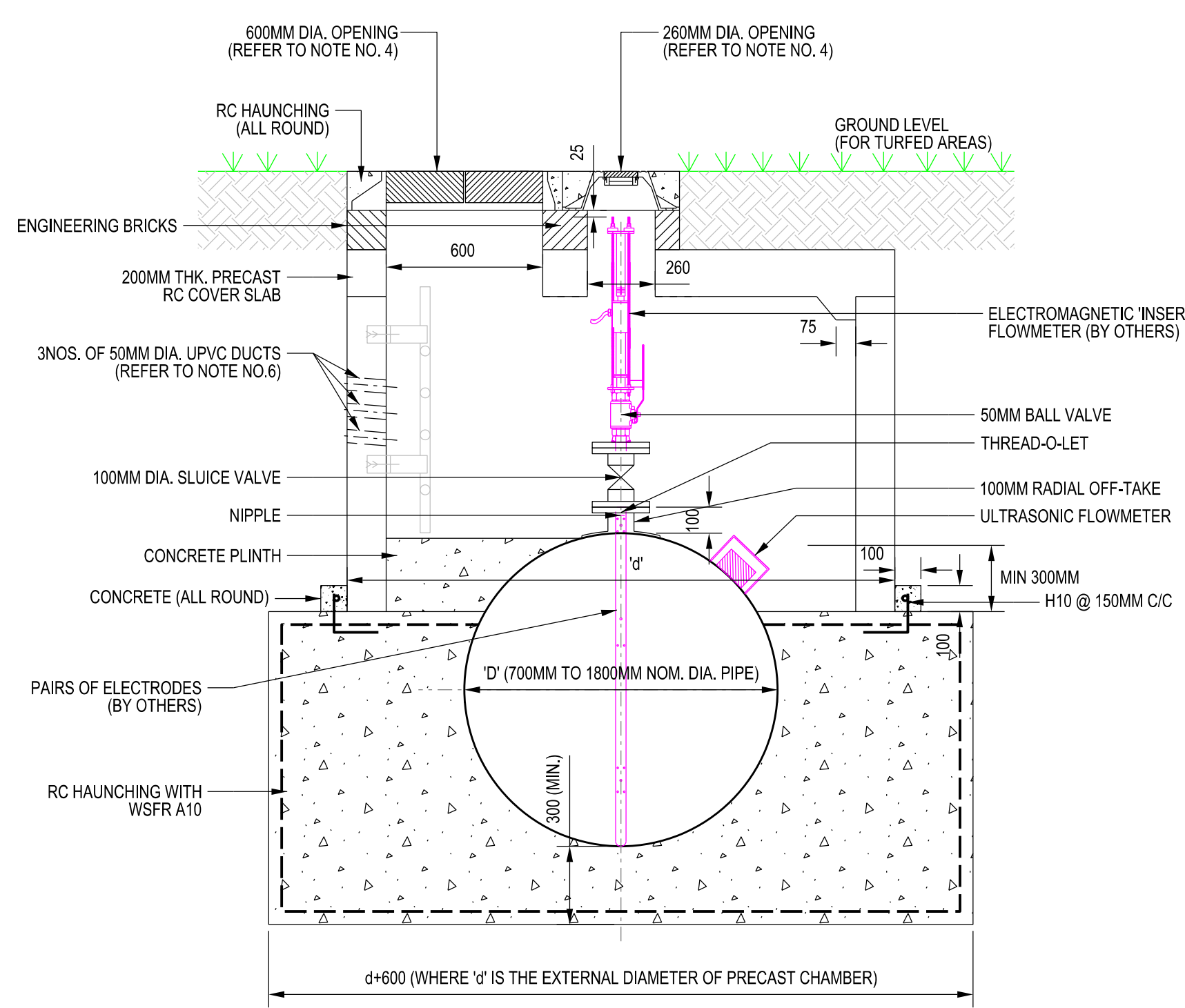
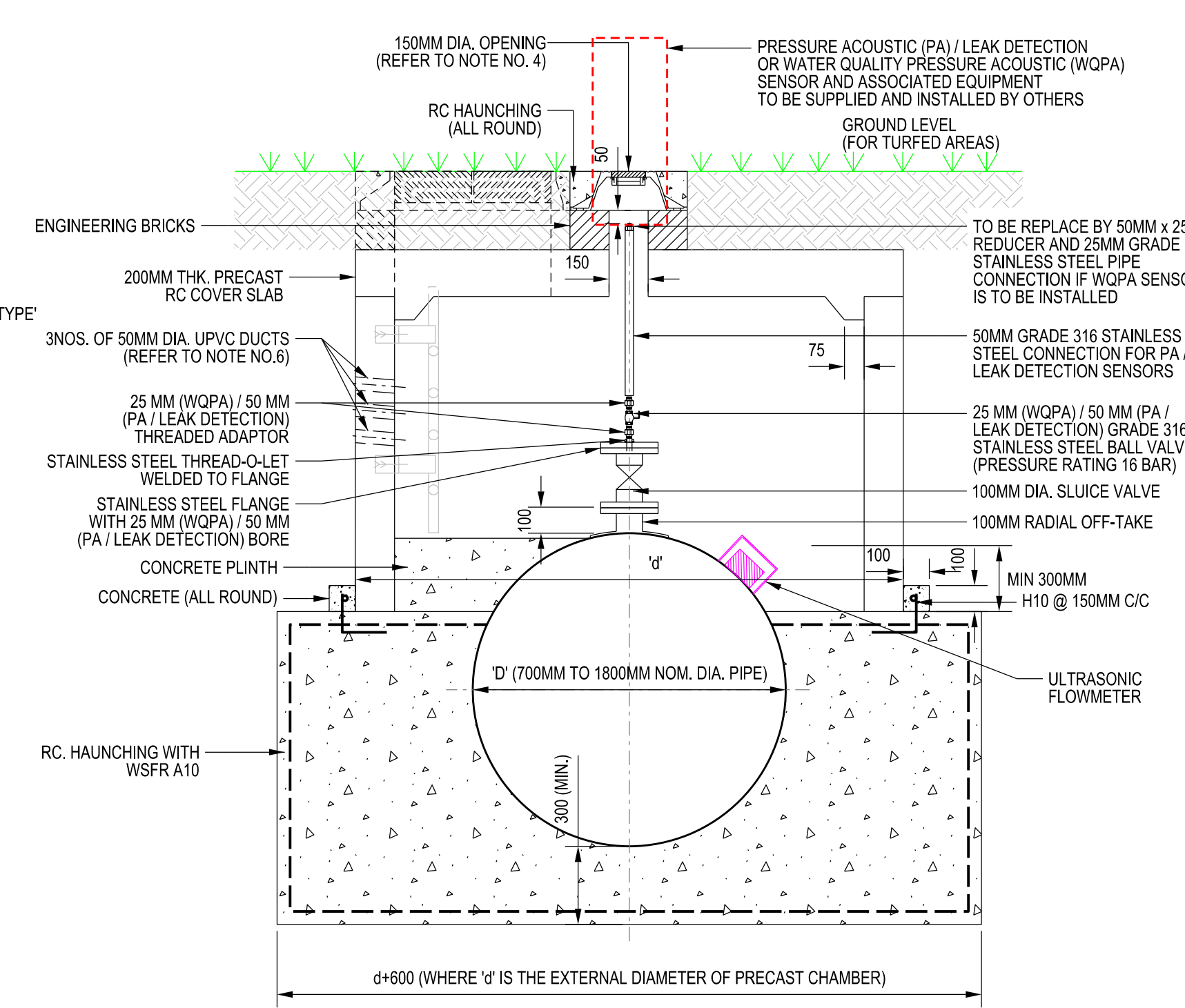


PLAN

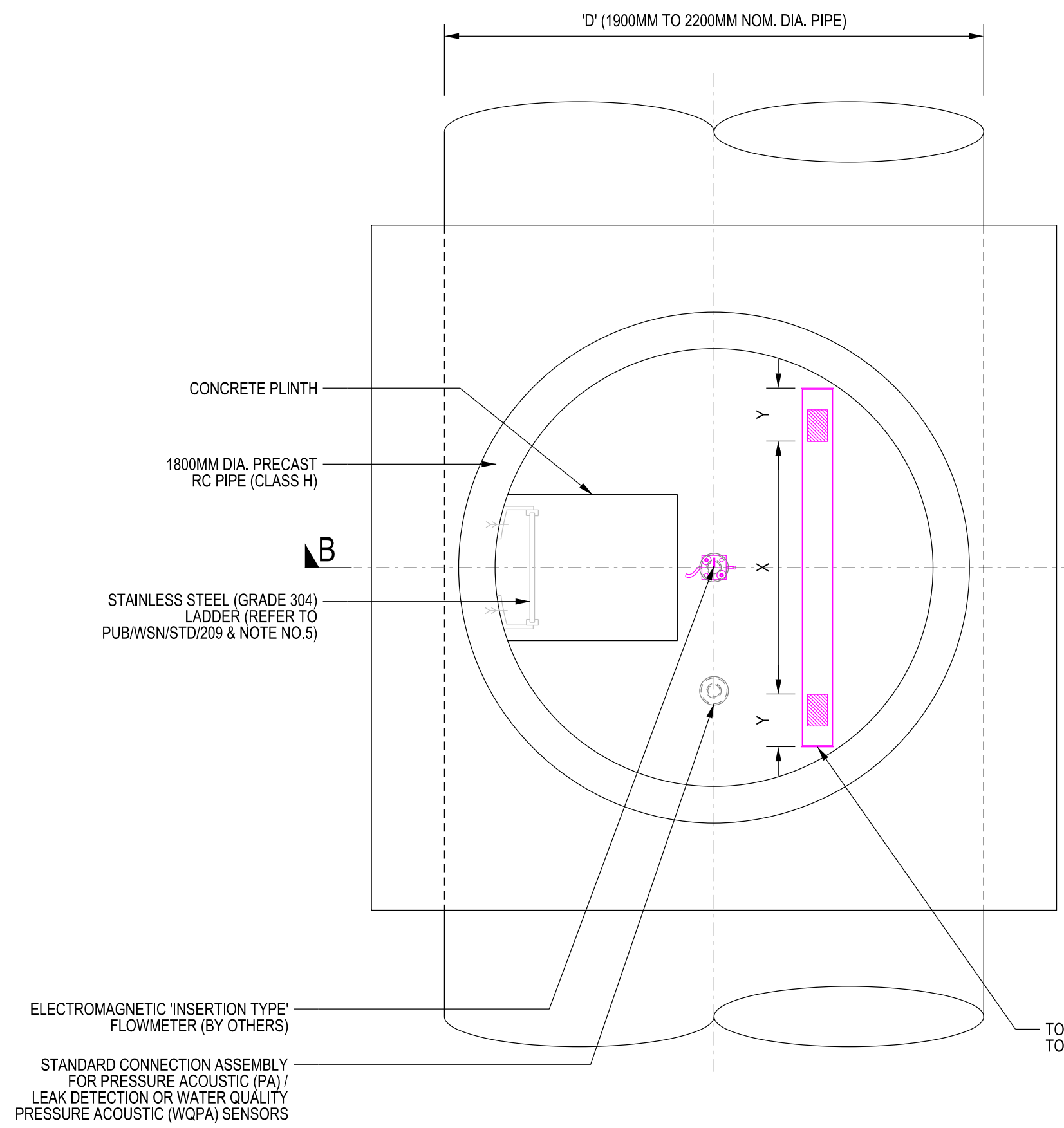
CHAMBER FOR ELECTROMAGNETIC 'INSERTION TYPE' FLOWMETER WITH SENSORS ASSEMBLY
(FOR 700MM TO 1800MM NOMINAL DIAMETER PIPE)



SECTION A - A

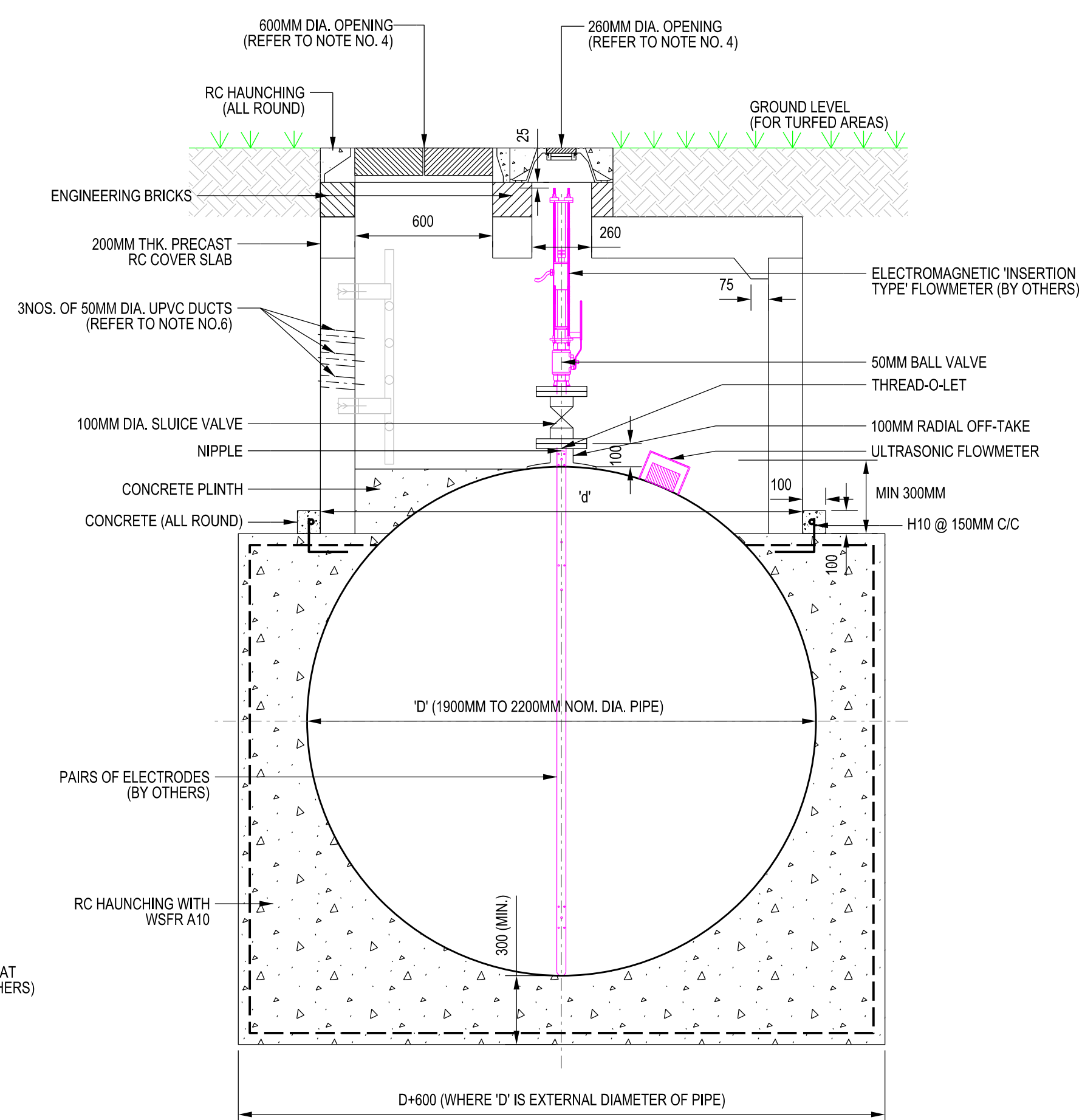


SECTION C - C

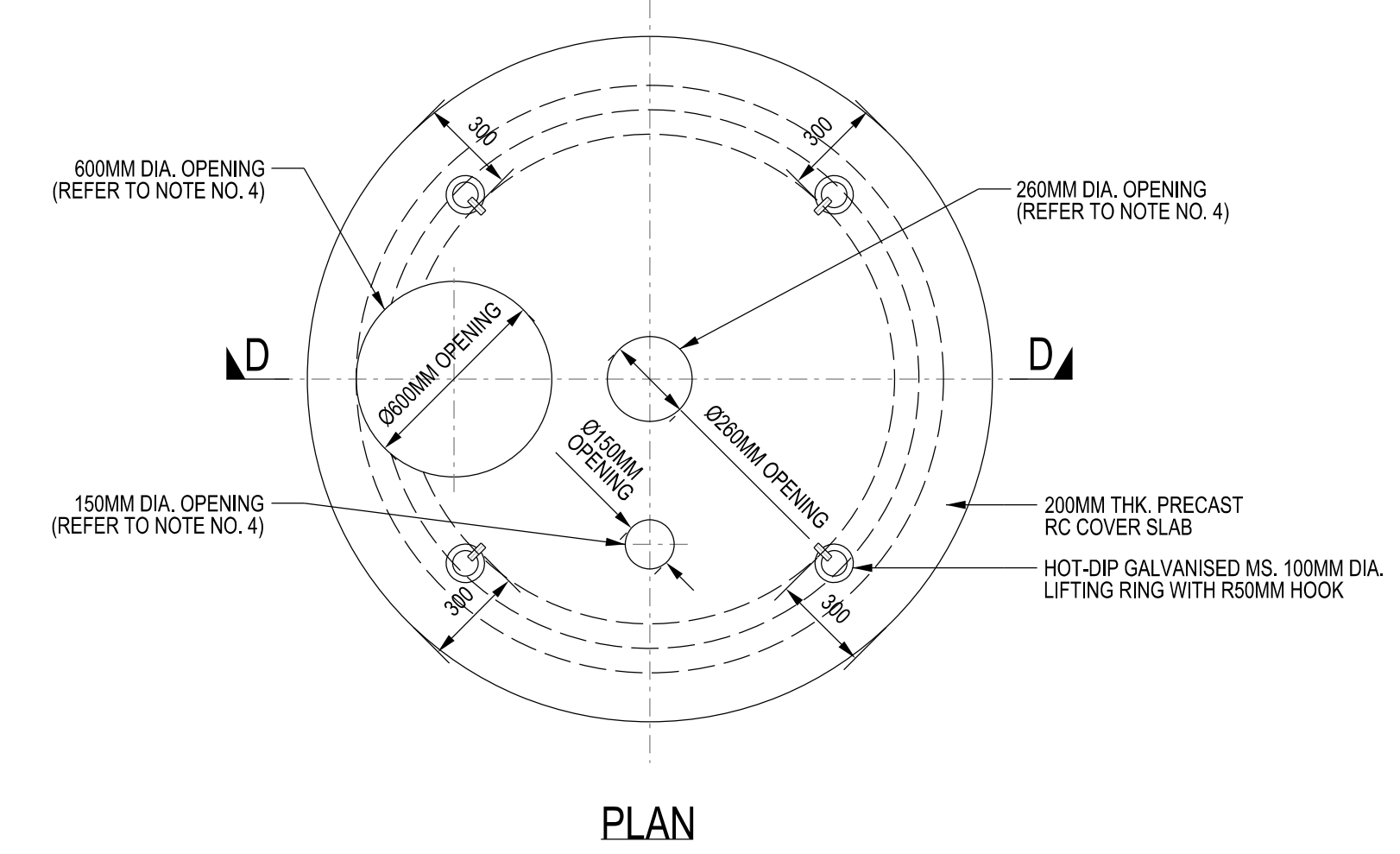


PLAN

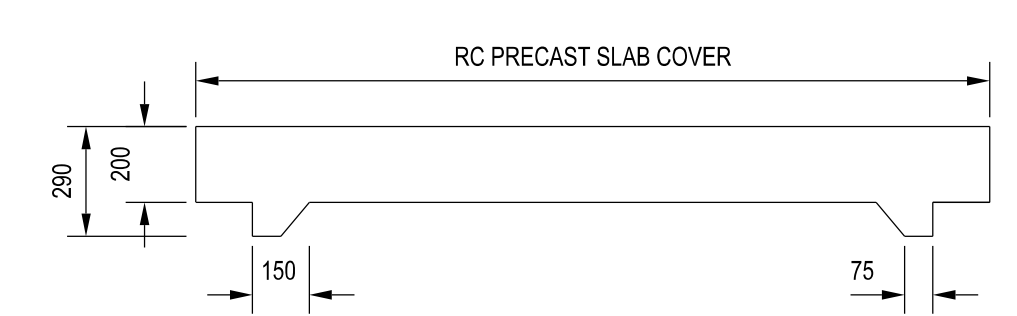
CHAMBER FOR ELECTROMAGNETIC 'INSERTION TYPE' FLOWMETER WITH SENSORS ASSEMBLY
(FOR 1900MM TO 2200MM NOMINAL DIAMETER PIPE)



SECTION B - B



PLAN



SECTION D - D
PRECAST R.C. COVER SLAB

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 - THE CONTRACTOR IS TO MAKE REFERENCE TO THE GENERAL NOTES, IN DRAWING NO. PUB/WSN/001.
 - FOR EASE OF ACCESSIBILITY AND TO FACILITATE FUTURE MAINTENANCE, DEPTH OF CHAMBERS SHALL NOT EXCEED 6M FROM GROUND LEVEL.
 - ALL MANHOLE COVERS AND FRAME SHALL BE OF HEAVY DUTY DUCTILE IRON TO GRADE A1 UNDER SS30.
 - USE STANDARD HEAVY DUTY DUCTILE IRON (GRADE A1) DOUBLE TRIANGULAR MANHOLE COVER AND FRAME (REFER TO PUB/WSN/STD/204) FOR 600MM DIA. OPENING.
 - USE STANDARD HEAVY DUTY DUCTILE IRON (GRADE A1) MANHOLE COVER AND FRAME FOR VALVE SPINDLE (REFER TO PUB/WSN/STD/219) FOR 150MM AND 260MM DIA. OPENING.
 - SAFETY CAGES SHALL BE PROVIDED FOR ALL LADDERS EXCEEDING 3M LENGTH (REFER TO DRAWING NO. PUB/WSN/STD/209).
 - UPVC DUCTS SHALL BE INCORPORATED INTO THE CHAMBER WALLS. FOR LAYING OF CABLES, BY OTHERS, THE DUCTS SHALL BE SEALED WITH WATERPROOF SEALING COMPOUND. POSITION OF DUCTS ARE INDICATIVE AND SHALL BE CONFIRMED ON SITE.
 - ASSEMBLY FOR LEAK DETECTION SENSORS ARE TO BE INSTALLED AT NOT MORE THAN 750M C/C ALONG THE PIPELINE. THE LEAK DETECTION SENSORS WILL BE INSTALLED UNDER SEPARATE CONTRACT.
 - THE CONSULTANT'S P.E. SHALL UNDERTAKE THE DETAILED DESIGN OF THE CHAMBER INCLUDING RC HAUNCHING AND SUBMIT TOGETHER WITH THE ACCREDITED CHECKER APPOINTED BY THE BOARD) TO SUPERINTENDING OFFICER (S.O.) AND BCA FOR APPROVAL.

TABLE 1

NOMINAL PIPE DIAMETER 'D' (MM)	PIPE WALL THICKNESS (MM)	DISTANCE BETWEEN SENSORS (REFER TO PLAN 'X') (MM)	DISTANCE FROM SENSORS TO OUTER EDGE OF STAINLESS STEEL CASING (REFER TO PLAN 'Y') (MM)
500	6.3	262	AS PER MANUFACTURER'S DETAIL
700	6.3	390	
700	9.5	394	
800	8	517	
800	9.5	519	
800	12.7	522	
900	9.5	605	
900	12.7	609	
1000	12.7	685	
1200	12.7	858	
1200	15.9	861	
1400	12.7	998	
1400	15.9	1002	
1600	12.7	1100	
1600	15.9	1103	
1800	12.7	1258	
1800	15.9	1261	
1900	12.7	1390	
1900	15.9	1393	
2000	15.9	1515	
2000	19	1519	
2200	15.9	1637	
2200	19	1641	

ISSUED: AUG 2021

SCALE

DRAWING NO.

LAST REVIEWED: AUG 2021

1:20

PUB/WSN/STD/117

CHAMBER FOR ELECTROMAGNETIC 'INSERTION TYPE' FLOWMETER WITH SENSORS ASSEMBLY